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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION NO		
10/589,860	12/04/2008	Xiachuan Zhou	GAO-06-02 2768		
G. Kenneth Sm	7590 06/27/201 ith Ph.DJ.D.	EXAMINER			
1645 Briarwood	l Circle	FORMAN, BETTY J			
Bethlem, PA 18015			ART UNIT	PAPER NUMBER	
			1634		
			MAIL DATE	DELIVERY MODE	
			06/27/2011	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Α	Applicant(s)		
	10/589,860	Z	ZHOU ET AL.		
Office Action Summary	Examiner	Δ	Art Unit		
	Betty Forman	1	634		
The MAILING DATE of this communication app Period for Reply	ears on the cover s	heet with the cor	respondence address		
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COM 36(a). In no event, however, vill apply and will expire SIX cause the application to b	MMUNICATION. er, may a reply be timely X (6) MONTHS from the ecome ABANDONED (r filed mailing date of this communication. (35 U.S.C. § 133).		
Status					
 Responsive to communication(s) filed on 15 M. This action is FINAL. Since this application is in condition for allowant closed in accordance with the practice under E. 	action is non-final.	al matters, prose			
Disposition of Claims					
 4) Claim(s) 1-6 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-6 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or 					
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on 03 September 2008 is/a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Example 11 Drawing 119 The oath or declaration is objected to by the Example 119 The oath or declaration is objected to be objected to by the Example 119 The oath or declaration is objected to be objected to by the Example 119 The oath or declaration is objected to be objected t	re: a)⊠ accepted drawing(s) be held in ion is required if the o	abeyance. See 3 drawing(s) is objec	7 CFR 1.85(a). ted to. See 37 CFR 1.121(d).		
		. 			
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Pa	terview Summary (P	· ·		
Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date		otice of Informal Pate ther:	ent Application		

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DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Group I, Claims 1-6 in the reply filed on 18 May 2011 is acknowledged.

On page 2 of the response, Applicant canceled Claims 7-26.

Claims 1-6 are currently pending and under prosecution.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-6 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1-6 are indefinite in claim 1, line 8 for the recitation "said second" because it is unclear whether the recitation refers to the second conduit or second transport channel. It is suggested that the claim be amended to clarify.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Gong et al (2003/0138819, filed 24 October 2002).

Regarding Claim 1, Gong teaches a microfluidic device comprising a plurality of chambers (assay stations, 26), each having a first and second conduit (channels, 24/28). The device further comprises a first and second transport channel (22/30) providing a bypass channel at the first end in flow communication with the conduits and chambers (Fig. 1, 5 and Abstract).

Regarding Claim 2, Gong teaches the interior surfaces of the channels are coated with a hydrophobic film (¶ 87, 90-91).

Regarding Claim 3, Gong teaches the device further comprises a distribution channel (20, Fig. 1).

Regarding Claim 4, Gong teaches the transportation channels contain oil (isolation medium, 54, ¶ 108) and the chamber contain aqueous solutions (¶ 126).

Regarding Claim 5, Gong teaches the channels and chambers contain air and/or gas as a carrier for delivering reagents to the chambers (¶ 83).

Regarding Claim 6, Gong teaches the chambers further comprise beads (¶ 194).

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Claims 1 and 3 are rejected under 35 U.S.C. 102(b) as being anticipated by Peters et al (DE 1980499, published 16 September 1999).

Regarding Claim 1, Peters teaches a microfluidic device comprising a plurality of chambers (3), each having a first and second conduit (feed canal, 5). The device further comprises a first and second transport channel (connection channels, 7/11) providing a bypass channel at the first end in flow communication with the conduits and chambers (Fig. 1 and Abstract).

Regarding Claim 3, Peters teaches the device further comprises a distribution channel (7, Fig. 1).

Conclusion

No claim is allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Betty Forman whose telephone number is (571)272-0741. The examiner can normally be reached on 6:00 TO 3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Nguyen can be reached on (571) 272-0731. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Betty Forman Primary Examiner Art Unit 1634

/Betty Forman/ Primary Examiner, Art Unit 1634